

TECH CENTER 1600/2900

OIPE RECEIVED

DEC 18 2001

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/828,217

DATE: 06/14/2001
TIME: 15:44:47

Input Set : N:\Crf3\RULE60\09828217.txt
Output Set: N:\CRF3\06142001\I828217.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:
 5 (i) APPLICANT: HIRANO, TOSHIO
 6 KAISHO, TSUNEYASU
 8 (ii) TITLE OF INVENTION: MEMBRANE PROTEIN POLYPEPTIDE HAVING
 9 PRE-B CELL GROWTH-SUPPORTING ABILITY AND A GENE THEREOF
 11 (iii) NUMBER OF SEQUENCES: 2
 13 (iv) CORRESPONDENCE ADDRESS:
 14 (A) ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
 15 P.C.
 16 (B) STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 1400
 17 (C) CITY: ARLINGTON
 18 (D) STATE: VA
 19 (E) COUNTRY: USA
 20 (F) ZIP: 22202
 22 (v) COMPUTER READABLE FORM:
 23 (A) MEDIUM TYPE: Floppy disk
 24 (B) COMPUTER: IBM PC compatible
 25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
 28 (vi) CURRENT APPLICATION DATA:
 29 (A) APPLICATION NUMBER: US/09/828,217
 C--> 30 (B) FILING DATE: 09-Apr-2001
 C--> 31 (C) CLASSIFICATION:
 40 (vii) PRIOR APPLICATION DATA:
 34 (A) APPLICATION NUMBER: 09/182,563
 35 (B) FILING DATE:
 37 (A) APPLICATION NUMBER: PCT/JP94/01732
 38 (B) FILING DATE: 14-OCT-1994
 41 (A) APPLICATION NUMBER: JP 5-281622
 42 (B) FILING DATE: 15-OCT-1993
 44 (viii) ATTORNEY/AGENT INFORMATION:
 45 (A) NAME: OBLON, NORMAN F.
 46 (B) REGISTRATION NUMBER: 24,618
 47 (C) REFERENCE/DOCKET NUMBER: 7625-001-0 PCT
 49 (ix) TELECOMMUNICATION INFORMATION:
 50 (A) TELEPHONE: 703-413-3000
 51 (B) TELEFAX: 703-413-2220
 54 (2) INFORMATION FOR SEQ ID NO: 1:
 56 (i) SEQUENCE CHARACTERISTICS:
 57 (A) LENGTH: 180 amino acids
 58 (B) TYPE: amino acid
 59 (C) STRANDEDNESS: single
 60 (D) TOPOLOGY: linear
 62 (ii) MOLECULE TYPE: peptide
 67 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 69 Met Ala Ser Thr Ser Tyr Asp Tyr Cys Arg Val Pro Met Glu Asp Gly

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/828,217

DATE: 06/14/2001
TIME: 15:44:47

Input Set : N:\Crf3\RULE60\09828217.txt
Output Set: N:\CRF3\06142001\I828217.raw

70	1	5	10	15												
72	Asp	Lys	Arg	Cys	Lys	Leu	Leu	Leu	Gly	Ile	Gly	Ile	Leu	Val	Leu	Leu
73										20		25				30
75	Ile	Ile	Val	Ile	Leu	Gly	Val	Pro	Leu	Ile	Ile	Phe	Thr	Ile	Lys	Ala
76										35		40				45
78	Asn	Ser	Glu	Ala	Cys	Arg	Asp	Gly	Leu	Arg	Ala	Val	Met	Glu	Cys	Arg
79										50		55				60
81	Asn	Val	Thr	His	Leu	Leu	Gln	Gln	Glu	Leu	Thr	Glu	Ala	Gln	Lys	Gly
82										65		70				80
84	Phe	Gln	Asp	Val	Glu	Ala	Gln	Ala	Ala	Thr	Cys	Asn	His	Thr	Val	Met
85										85		90				95
87	Ala	Leu	Met	Ala	Ser	Leu	Asp	Ala	Glu	Lys	Ala	Gln	Gly	Gln	Lys	Lys
88										100		105				110
90	Val	Glu	Glu	Leu	Glu	Gly	Glu	Ile	Thr	Thr	Leu	Asn	His	Lys	Leu	Gln
91										115		120				125
93	Asp	Ala	Ser	Ala	Glu	Val	Glu	Arg	Leu	Arg	Arg	Glu	Asn	Gln	Val	Leu
94										130		135				140
96	Ser	Val	Arg	Ile	Ala	Asp	Lys	Lys	Tyr	Tyr	Pro	Ser	Ser	Gln	Asp	Ser
97										145		150				160
99	Ser	Ser	Ala	Ala	Ala	Pro	Gln	Leu	Leu	Ile	Val	Leu	Leu	Gly	Leu	Ser
100										165		170				175
102	Ala	Leu	Leu	Gln												
103				180												

105 (2) INFORMATION FOR SEQ ID NO: 2:

107 (i) SEQUENCE CHARACTERISTICS:

- 108 (A) LENGTH: 996 base pairs
- 109 (B) TYPE: nucleic acid
- 110 (C) STRANDEDNESS: double
- 111 (D) TOPOLOGY: linear

113 (ii) MOLECULE TYPE: cDNA to mRNA

118 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

120	GTGGAATTCA	TGGCATCTAC	TTCGTATGAC	TATTGCAGAG	TGCCCATGGA	AGACGGGGAT	60
122	AAGCGCTGTA	AGCTTCTGCT	GGGGATAGGA	ATTCTGGTC	TCCTGATCAT	CGTGATTCTG	120
124	GGGGTGCCTC	TGATTATCTT	CACCATCAAG	GCCAACAGCG	AGGCCTGCCG	GGACGGCCCTT	180
126	CGGGCAGTGA	TGGAGTGTG	CAATGTCACC	CATCTCCTGC	AACAAGAGCT	GACCGAGGCC	240
128	CAGAAGGGCT	TTCAGGATGT	GGAGGCCAG	GCCGCCACCT	GCAACCACAC	TGTGATGGCC	300
130	CTAATGGCTT	CCCTGGATGC	AGAGAAGGCC	CAAGGACAAA	AGAAAGTGG	GGAGCTTGAG	360
132	GGAGAGATCA	CTACATTAAA	CCATAAGCTT	CAGGACGCGT	CTGCAGAGGT	GGAGCGACTG	420
134	AGAAGAGAAA	ACCAGGTCTT	AAGCGTGAGA	ATCGCGGACA	AGAAAGTACTA	CCCCAGCTCC	480
136	CAGGACTCCA	GCTCCGCTGC	GGCGCCCCAG	CTGCTGATTG	TGCTGCTGG	CCTCAGCGCT	540
138	CTGCTGCAGT	GAGATCCCAG	GAAGCTGGCA	CATCTTGAA	GGTCGTCCT	GCTCGGCTTT	600
140	TCGCTTGAAC	ATCCCTTGA	TCTCATCAGT	TCTGAGCGGG	TCATGGGCA	ACACGGTTAG	660
142	CGGGGAGAGC	ACGGGGTAGC	CGGAGAAGGG	CCTCTGGAGC	AGGTCTGGAG	GGGCCATGGG	720
144	GCAGTCCTGG	GTGTGGGGAC	ACAGTCGGGT	TGACCCAGGG	CTGTCTCCCT	CCAGAGCCTC	780
146	CCTCCGGACA	ATGAGTCCCC	CCTCTTGCT	CCCACCCCTGA	GATTGGGCAT	GGGGTGCAGGT	840
148	GTGGGGGGCA	TGTGCTGCCT	GTTGTTATGG	GTTCCTTTTG	CGGGGGGGGT	TGCTTTTTTC	900
150	TGGGGTCTTT	GAGCTCCAAA	AAATAAACAC	TTCCCTTGAG	GGAGAGCAAA	AAAAAAA	960
152	AAAAAAAAAA	AAAAAAA	AAAGAATTCC	ACCACAA			996

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/828,217

DATE: 06/14/2001

TIME: 15:44:48

Input Set : N:\Crf3\RULE60\09828217.txt
Output Set: N:\CRF3\06142001\I828217.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]